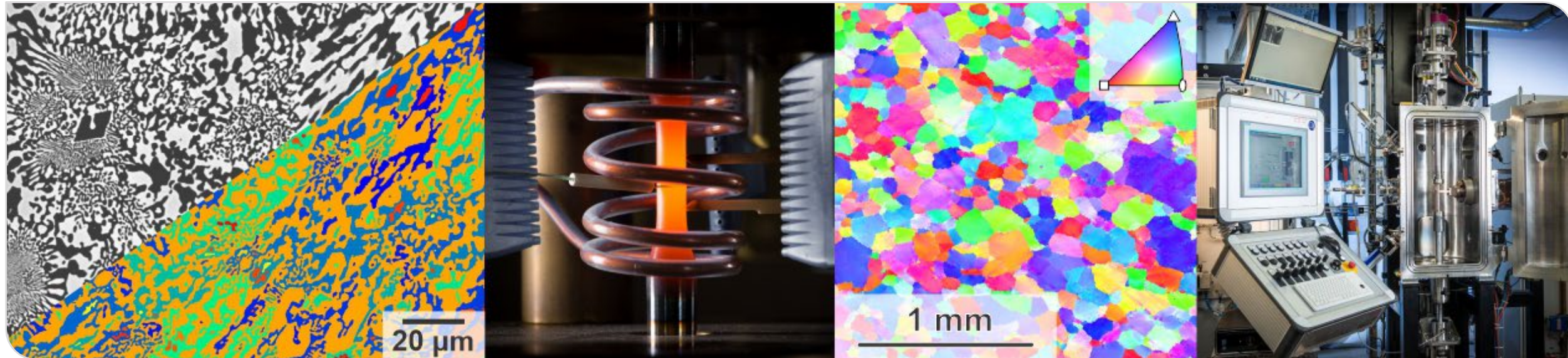


Phase Transformations in Materials

Lecture for “Mechanical Engineering” and “Materials Science and Engineering”
Dr.-Ing. Alexander Kauffmann (Bldg. 10.91, R. 375)
Dr. Sandipan Sen (Bldg. 10.91, R. 311)

Version 23-08-28



Learning objectives

- Students are familiar with **a generalized scheme of phase transformations important in materials science and engineering.**
- This includes **qualitative and quantitative description of thermodynamic and kinetics.**
- The students are able to **apply their fundamental knowledge** in order to **describe important phase transformation and to deduce properties of materials undergoing these transformations.**